

Title (en)
AGOMELATINE HYDROCHLORIDE HYDRATE AND PREPARATION THEREOF

Title (de)
AGOMELATIN-HYDROCHLORID-HYDRAT UND HERSTELLUNG DAVON

Title (fr)
CHLORHYDRATE D'AGOMÉLATINE HYDRATÉ ET SA PRÉPARATION

Publication
EP 2547649 A4 20130904 (EN)

Application
EP 11755679 A 20110317

Priority
• CN 201010126254 A 20100317
• CN 2011071910 W 20110317

Abstract (en)
[origin: WO2011113362A1] An agomelatine hydrochloride hydrate of formula (I), preparation, use, and pharmaceutical composition thereof are provided. Said hydrate obtained through the present method has significant increased solubility than agomelatine, and therefore is more suitable for manufacturing pharmaceutical formulations. Using the present method, high purity can be obtained through a simple process, free of any complicated steps. Wherein X is Cl.

IPC 8 full level
C07C 233/18 (2006.01); **A61K 31/165** (2006.01); **A61P 25/24** (2006.01); **C07C 231/12** (2006.01)

CPC (source: EP KR US)
A61K 31/165 (2013.01 - EP KR US); **A61P 1/00** (2017.12 - EP); **A61P 3/00** (2017.12 - EP); **A61P 9/00** (2017.12 - EP); **A61P 9/12** (2017.12 - EP); **A61P 25/00** (2017.12 - EP); **A61P 25/18** (2017.12 - EP); **A61P 25/20** (2017.12 - EP); **A61P 25/22** (2017.12 - EP); **A61P 25/24** (2017.12 - EP); **C07C 231/12** (2013.01 - KR); **C07C 233/18** (2013.01 - EP KR US)

Citation (search report)
• [I] CN 101481321 A 20090715 - SHANGHAI INST PHARM INDUSTRY [CN] & US 2011313198 A1 20111222 - ZHANG PENG [CN], et al
• [E] WO 2012046253 A2 20120412 - MSN LAB LTD [IN], et al
• See references of WO 2011113362A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2011113362 A1 20110922; AP 2012006492 A0 20121031; AU 2011229618 A1 20120927; AU 2011229618 B2 20140522; BR 112012023317 A2 20160524; BR 112012023317 B1 20210706; CA 2792417 A1 20110922; CA 2792417 C 20151124; CL 2012002540 A1 20130111; CN 102190594 A 20110921; CN 102958911 A 20130306; CN 102958911 B 20151125; CR 20120462 A 20121005; CU 20120137 A7 20121115; CY 1116086 T1 20170208; DK 2547649 T3 20150302; EA 022067 B1 20151030; EA 201201294 A1 20130430; EC SP12012155 A 20121228; EP 2547649 A1 20130123; EP 2547649 A4 20130904; EP 2547649 B1 20141119; ES 2530772 T3 20150305; GE P20156231 B 20150126; GT 201200259 A 20131203; HK 1177451 A1 20130823; HR P20150071 T1 20150227; IL 221782 A 20171130; JP 2013522241 A 20130613; JP 5634532 B2 20141203; KR 101406727 B1 20140613; KR 20120128712 A 20121127; MA 34055 B1 20130305; ME 02054 B 20150520; MX 2012010541 A 20121005; NI 201200140 A 20121109; NZ 602450 A 20141224; PE 20130013 A1 20130126; PL 2547649 T3 20150430; PT 2547649 E 20141229; RS 53815 B1 20150630; SG 183868 A1 20121030; SI 2547649 T1 20150331; TN 2012000435 A1 20140130; UA 105425 C2 20140512; US 2013005820 A1 20130103; US 8729131 B2 20140520

DOCDB simple family (application)
CN 2011071910 W 20110317; AP 2012006492 A 20110317; AU 2011229618 A 20110317; BR 112012023317 A 20110317; CA 2792417 A 20110317; CL 2012002540 A 20120913; CN 201010126254 A 20100317; CN 201180024357 A 20110317; CR 20120462 A 20120911; CU 20120137 A 20120917; CY 151100071 T 20150122; DK 11755679 T 20110317; EA 201201294 A 20110317; EC SP12012155 A 20120914; EP 11755679 A 20110317; ES 11755679 T 20110317; GE AP2011012869 A 20110317; GT 201200259 A 20120917; HK 13104588 A 20130416; HR P20150071 T 20150120; IL 22178212 A 20120904; JP 2012557392 A 20110317; KR 20127026895 A 20110317; MA 35192 A 20120906; ME P2315 A 20110317; MX 2012010541 A 20110317; NI 201200140 A 20120912; NZ 60245011 A 20110317; PE 2012001448 A 20110317; PL 11755679 T 20110317; PT 11755679 T 20110317; RS P20150041 A 20110317; SG 2012065009 A 20110317; SI 201130403 T 20110317; TN 2012000435 A 20120831; UA A201211720 A 20110317; US 201113635063 A 20110317